

Experiment Number: 99023-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 10/19/2014

Time Report Requested: 12:46:30

First Dose M/F: NA / NA

Lab: BAT

C Number:	C99023
Lock Date:	10/17/2001
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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First Dose M/F: NA / NA

Lab: BAT

Male RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 G/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 0.25 G/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 0.5 G/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 1 TERMINAL 9

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

32

DOSE = 1.0 G/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 1 TERMINAL 9

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

26

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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Lab: BAT

Male RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 2.0 G/KG

TOTAL 10

UNCENSORED DEATHS 2

CENSORED DEATHS 0

TERMINAL 8

UNCENSORED DEATH DAYS

4 18

CENSORED DEATH DAYS

none

DOSE = 4.0 G/KG

TOTAL 10

UNCENSORED DEATHS 10

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

3 3 3 3 3 3 4 11

CENSORED DEATH DAYS

none

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First Dose M/F: NA / NA

Lab: BAT

Male RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	93(A)
0 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.25 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.5 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.0 G/KG	90.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4.0 G/KG	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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Date Report Requested: 10/19/2014

Time Report Requested: 12:46:30

First Dose M/F: NA / NA

Lab: BAT

Male RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	93.0 (0.0)	86.9 (6.1)	86.3 (6.7)

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Test Compound: beta-Myrcene

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Date Report Requested: 10/19/2014

Time Report Requested: 12:46:30

First Dose M/F: NA / NA

Lab: BAT

**Male RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS**

SURVIVAL SUMMARY STATISTICS

DOSE	2.0 G/KG	4.0 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	80.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.456	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	11.0 (7.0)	3.9 (0.8)
MEAN LIFE SPAN (D) (STANDARD ERROR)	76.6 (11.0)	3.9 (0.8)

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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Date Report Requested: 10/19/2014

Time Report Requested: 12:46:30

First Dose M/F: NA / NA

Lab: BAT

Female RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 G/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 0.25 G/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 0.5 G/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 1.0 G/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 1 TERMINAL 9

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

64

(A) FIRST TERMINAL SACRIFICE

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Test Type: 90-DAY

Species/Strain: Rat/F 344/N

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Test Compound: beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 10/19/2014

Time Report Requested: 12:46:30

First Dose M/F: NA / NA

Lab: BAT

Female RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 2.0 G/KG

TOTAL 10

UNCENSORED DEATHS 4

CENSORED DEATHS 0

TERMINAL 6

UNCENSORED DEATH DAYS

2 3 4 87

CENSORED DEATH DAYS

none

DOSE = 4.0 G/KG

TOTAL 10

UNCENSORED DEATHS 9

CENSORED DEATHS 1

TERMINAL 0

UNCENSORED DEATH DAYS

3 3 3 3 3 3 3

CENSORED DEATH DAYS

2

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Experiment Number: 99023-01
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Species/Strain: Rat/F 344/N

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Test Compound: beta-Myrcene
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First Dose M/F: NA / NA
Lab: BAT

Female RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	93(A)
0 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.25 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.5 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.0 G/KG	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	60.0	60.0
4.0 G/KG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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First Dose M/F: NA / NA

Lab: BAT

Female RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)	90.1 (2.9)

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First Dose M/F: NA / NA

Lab: BAT

**Female RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS**

SURVIVAL SUMMARY STATISTICS

DOSE	2.0 G/KG	4.0 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	60.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.093	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	24.0 (21.0)	3.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	65.4 (13.6)	2.9 (0.1)

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

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First Dose M/F: NA / NA

Lab: BAT

**** END OF REPORT ****

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)